

## **LOG SILL:**

### **Description**

This work consists of the construction and maintenance of physical barriers placed in and along the stream at locations designated on the plans to direct the stream flow (thalweg) toward the center of the channel and to provide grade control.

The quantity of log sill to be installed will be affected by the actual conditions that occur during the construction of the project. The quantity of log sill may be increased, decreased, or eliminated entirely as directed. Such variations in quantity will not be considered as alterations in the details of construction or a change in the character of the work.

### **Materials**

Logs: Hardwood tree species with a minimum trunk diameter of 12". The length of each log shall be sufficient to allow proper construction in accordance with the Log Sill Detail.

Refer to Division 10

| <b>Item</b>                        | <b>Section</b> |
|------------------------------------|----------------|
| No. 57 Stone                       | 1005           |
| Filter Fabric for Drainage, Type 2 | 1056           |

### **Construction Methods**

Log Sill shall be constructed according to the Log Sill Detail shown on the plans or as directed. Logs shall be anchored together by pinning with ½" rebar and anchored to the streambed as directed. Plate the upstream side of the logs with Type 2 filter fabric and No. 57 stone. The filter fabric shall be securely fastened to the back of the log using galvanized roofing nails on approximately 8" centers. The log shall be keyed into the bank at the downstream end. The Contractor shall furnish and install all logs per the plans or as directed. Hardwood trees encountered during clearing and grubbing may be identified and stockpiled for use as logs. Care shall be taken to preserve the log structure on the harvested trees to be used as log sills as shown on the detail in the plans.

### **Measurement and Payment:**

*Logs* will be measured and paid for as the actual number of logs of each acceptable species and size, which have been incorporated into the work, or have been delivered to and stockpiled on the project as directed. Logs that have been stockpiled will not be measured a second time.

*No. 57 Stone* will be measured and paid for as provided elsewhere in this contract.

*Filter Fabric for Drainage* will be measured and paid for in accordance with Article 876-4 of the *Standard Specifications*.

Such price and payment will be full compensation for all work covered by this section, including, but not limited to, furnishing all materials, labor, equipment and incidentals necessary to construct the log sill.

Payment will be made under:

| <b>Pay Item</b> | <b>Pay Unit</b> |
|-----------------|-----------------|
| Log             | Each            |